

FIG.1

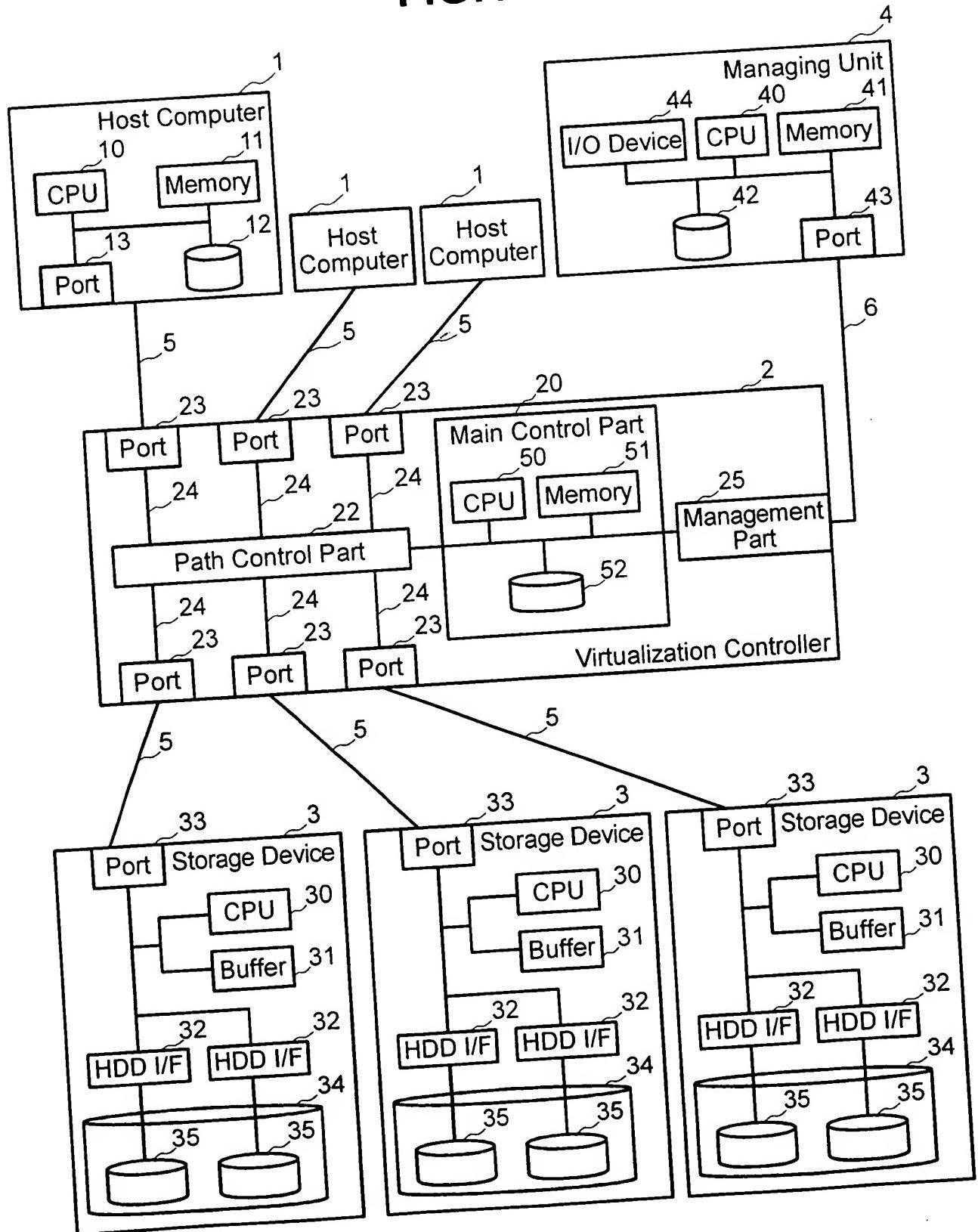


FIG.2

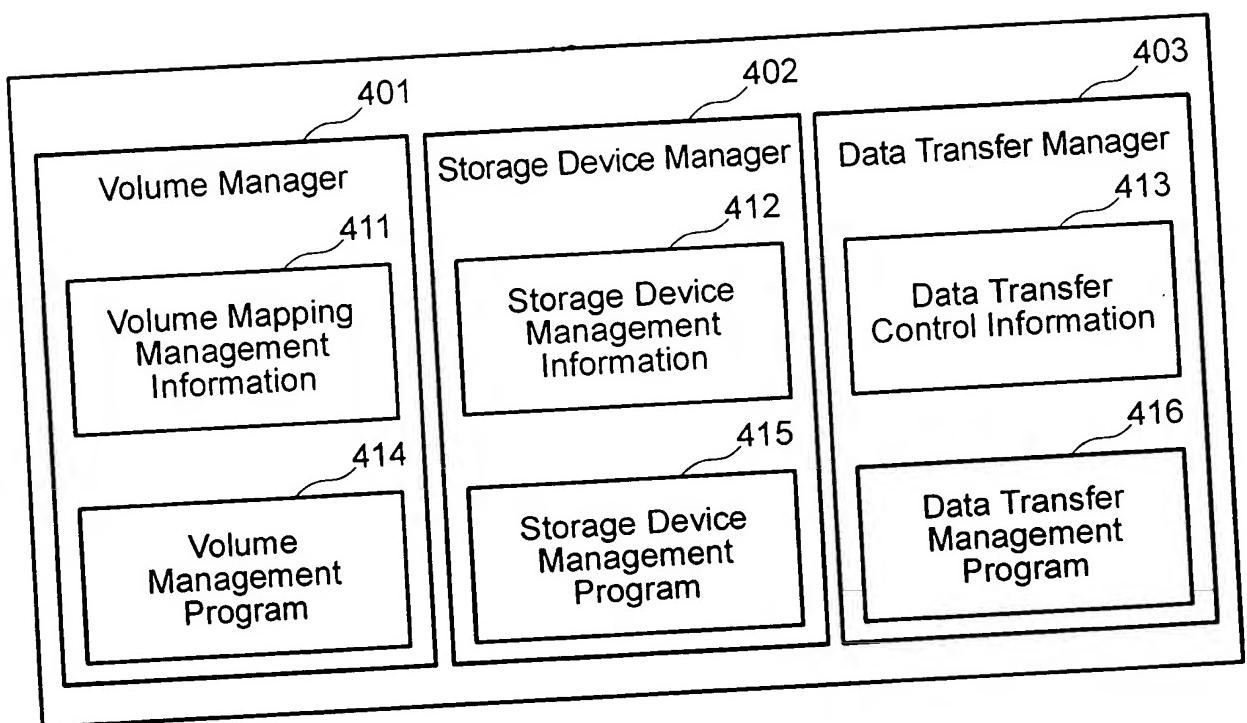


FIG.3

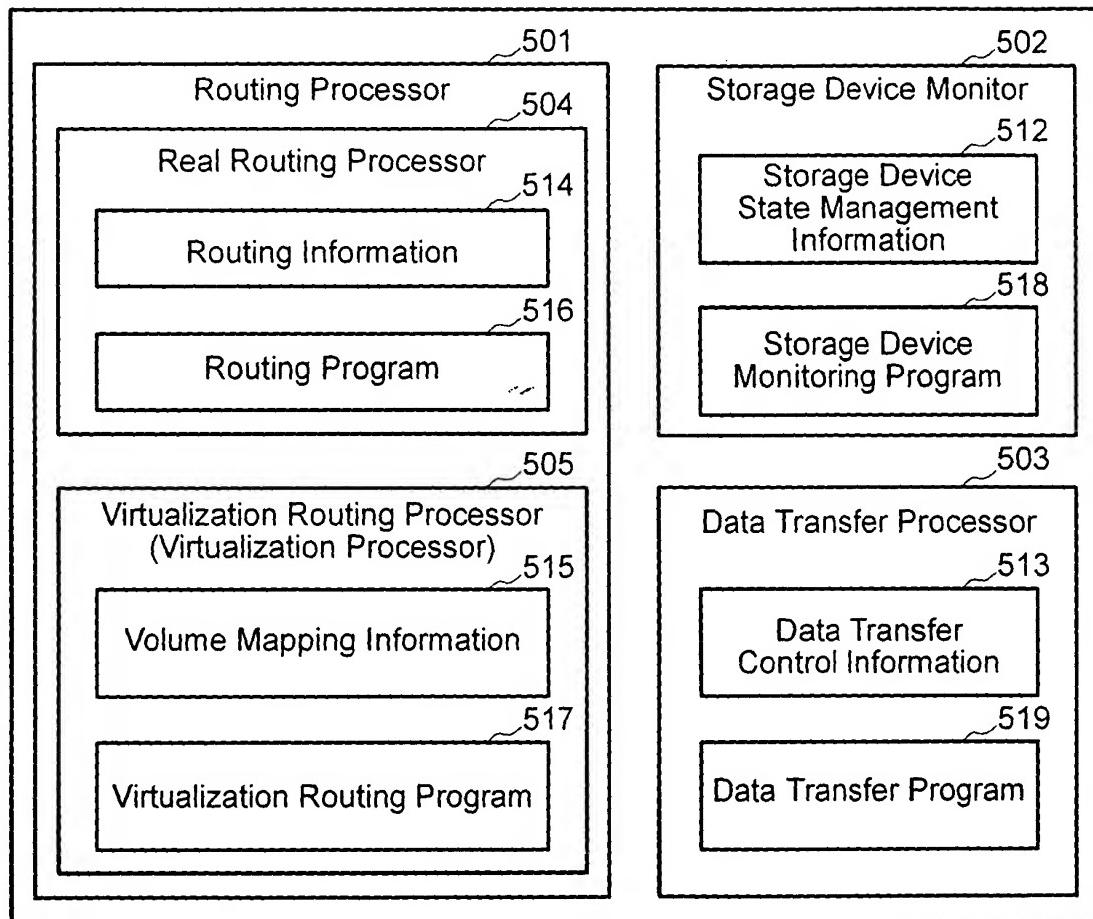


FIG. 4

FIG.5

Port ID	Port Name	Node Name	LUN	Size
P_Pid_1	P_Pname_1	P_Nname_1	0	10 GB
			1	5 GB
P_Pid_2	P_Pname_2	P_Nname_2	0	5 GB
P_Pid_3	P_Pname_3	P_Nname_3	1	10 GB
-	-	-	-	-

FIG.6

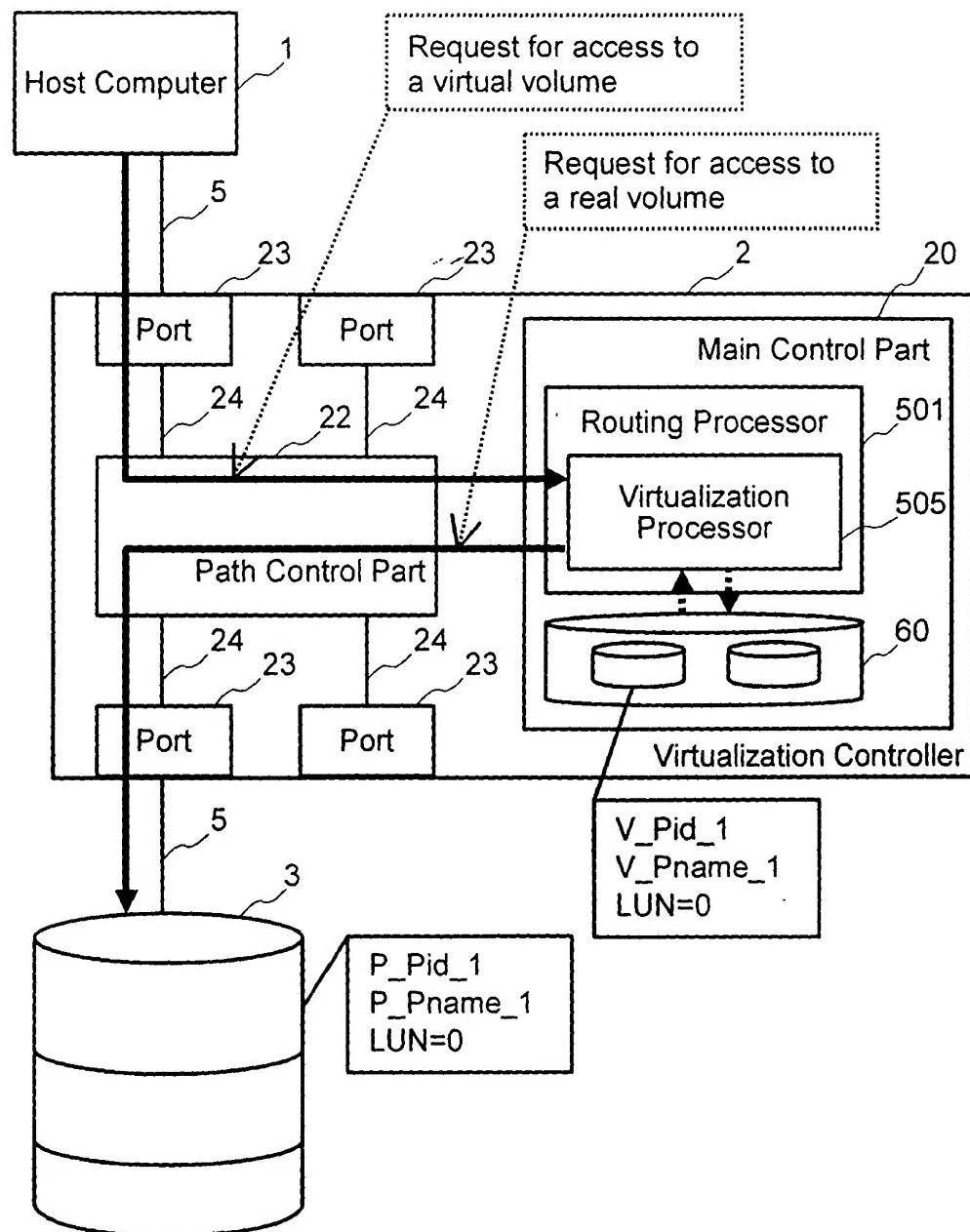
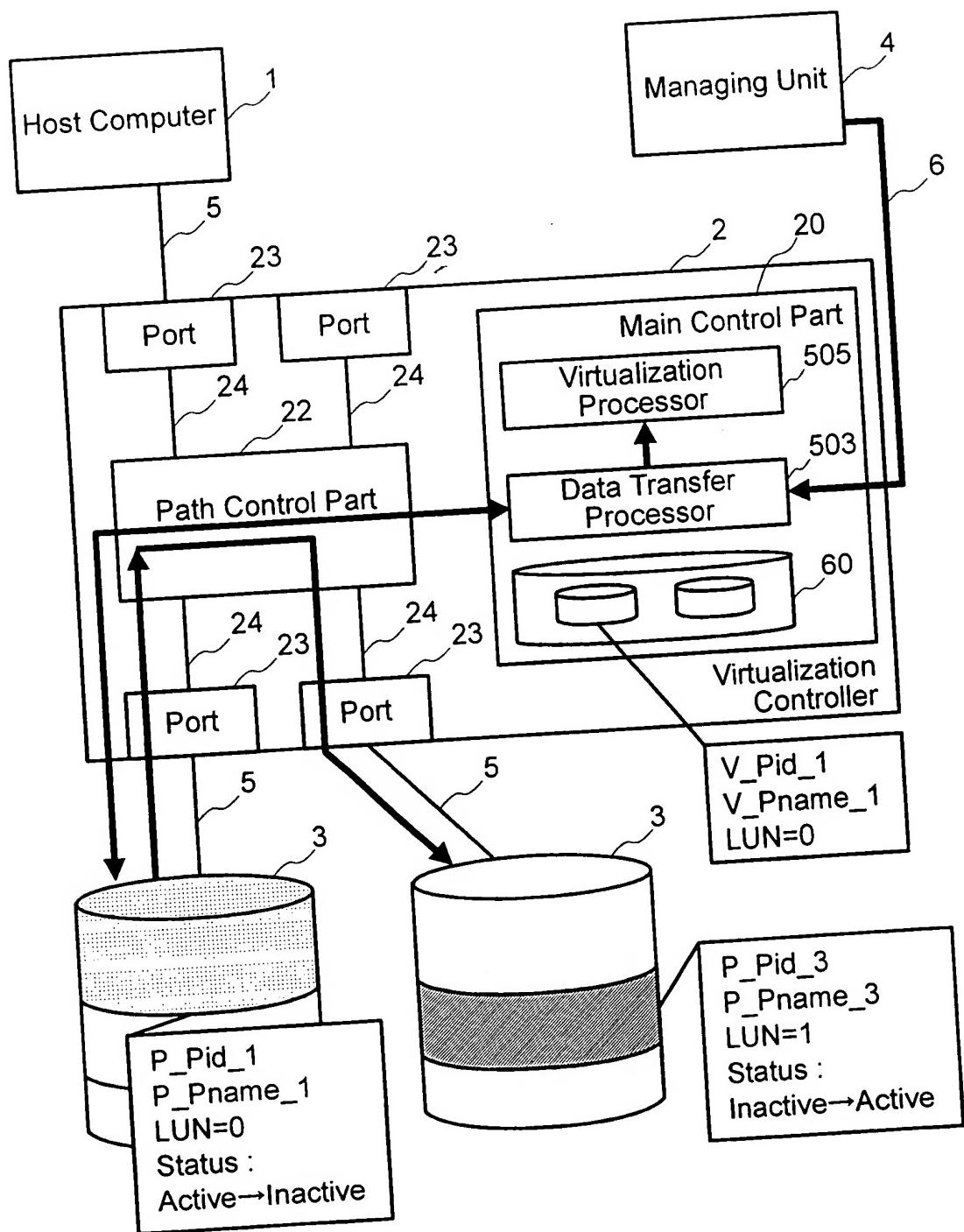


FIG.7



Virtual Volume Management Information					Real Volume Management Information					Command
Port ID	Port Name	LUN	Size	Status	Port ID	Port Name	LUN	Size	Status	
V_Pid_1	V_Pname_1	0	10 GB	Inactive	P_Pid_1	P_Pname_1	0	10 GB	Active	C_id_0
-	-	0	10 GB	Active	P_Pid_3	P_Pname_3	1	10 GB	Active	C_id_3
-	-	-	-	-	-	-	-	-	-	C_id_4
-	-	-	-	-	-	-	-	-	-	-

FIG.8

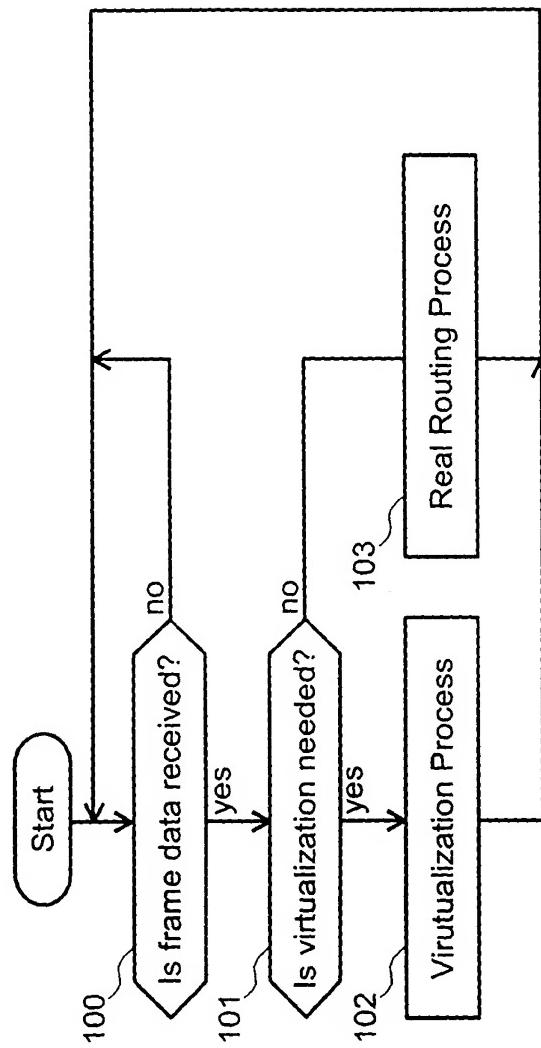


FIG.9

FIG.10

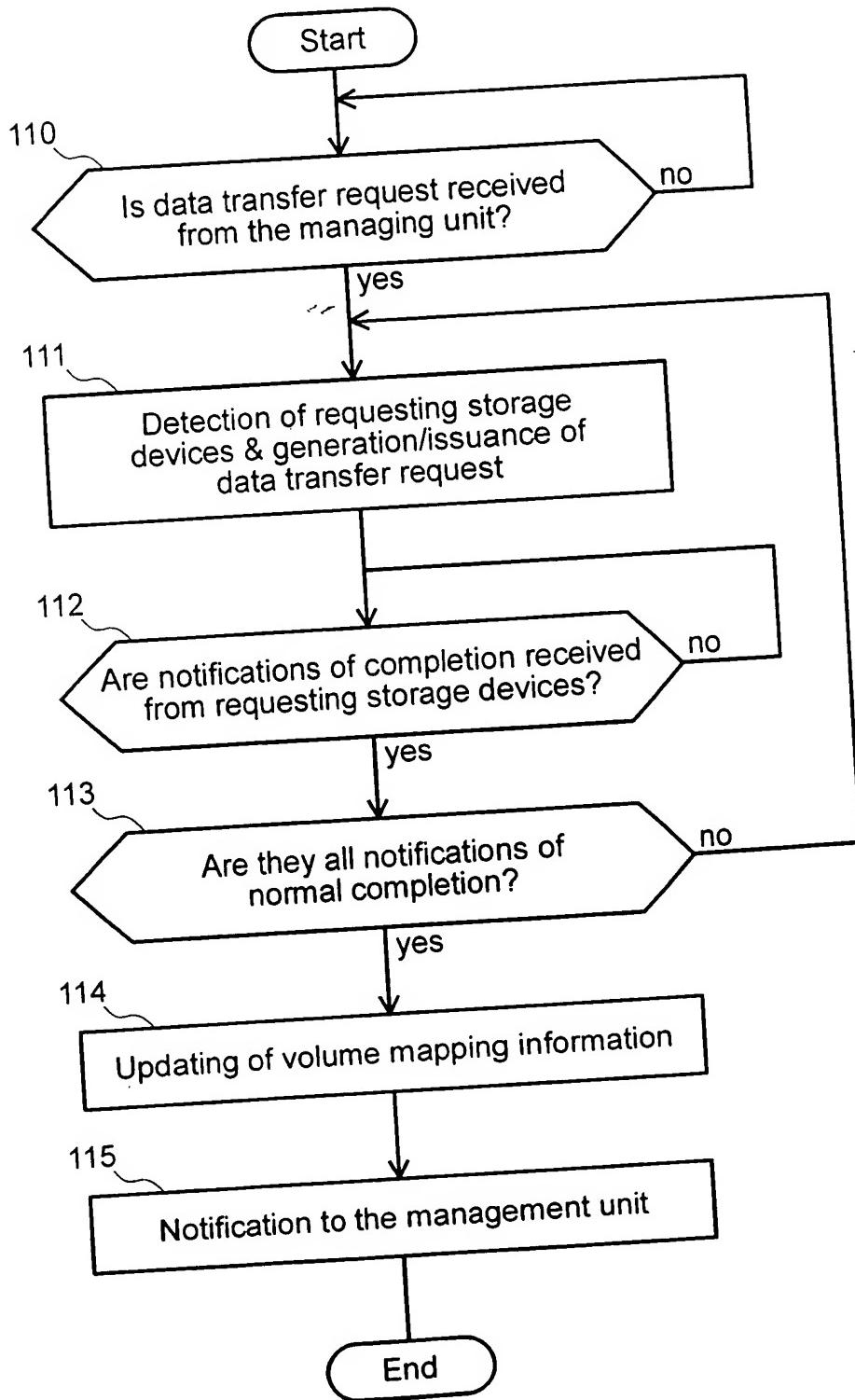


FIG.11

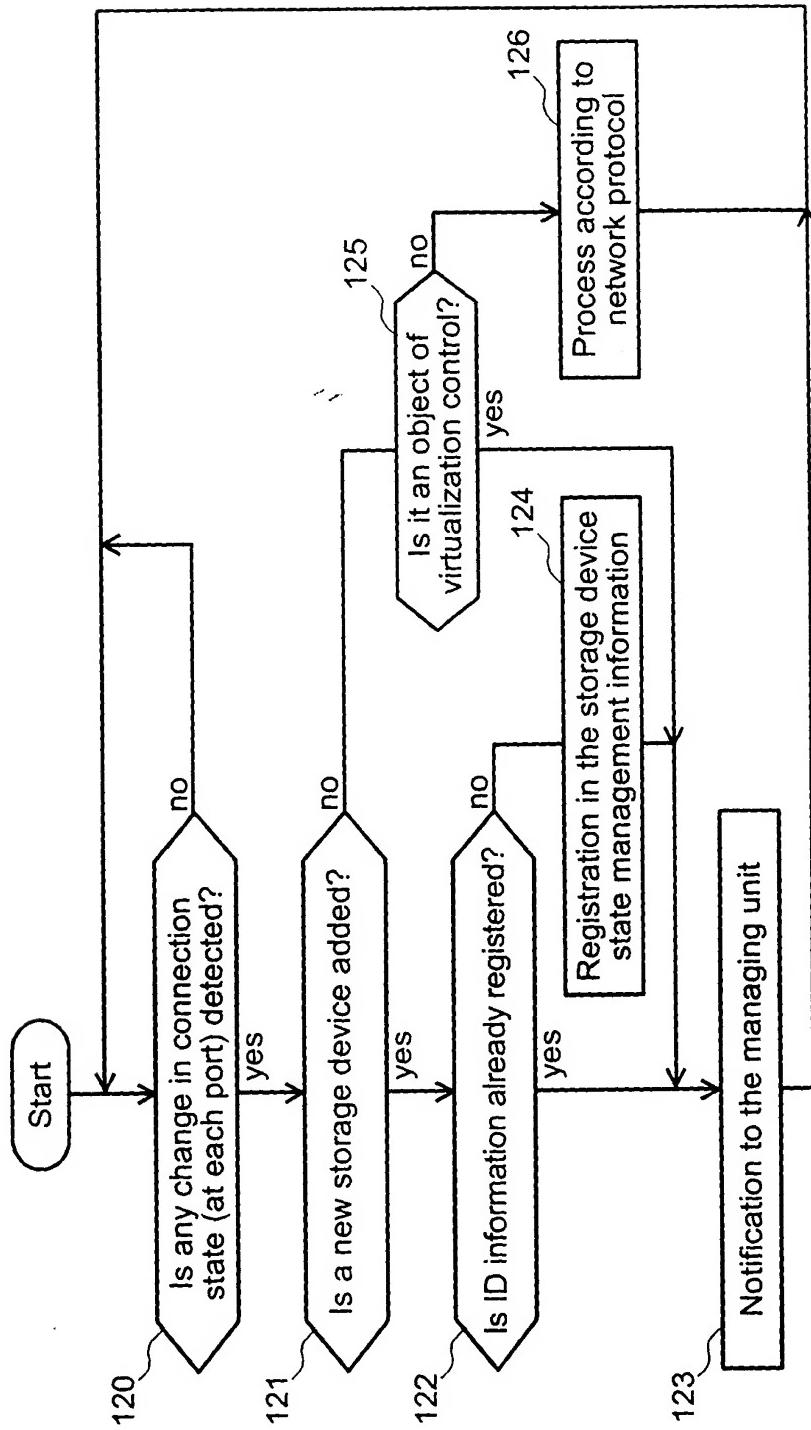


FIG. 12

FIG.13

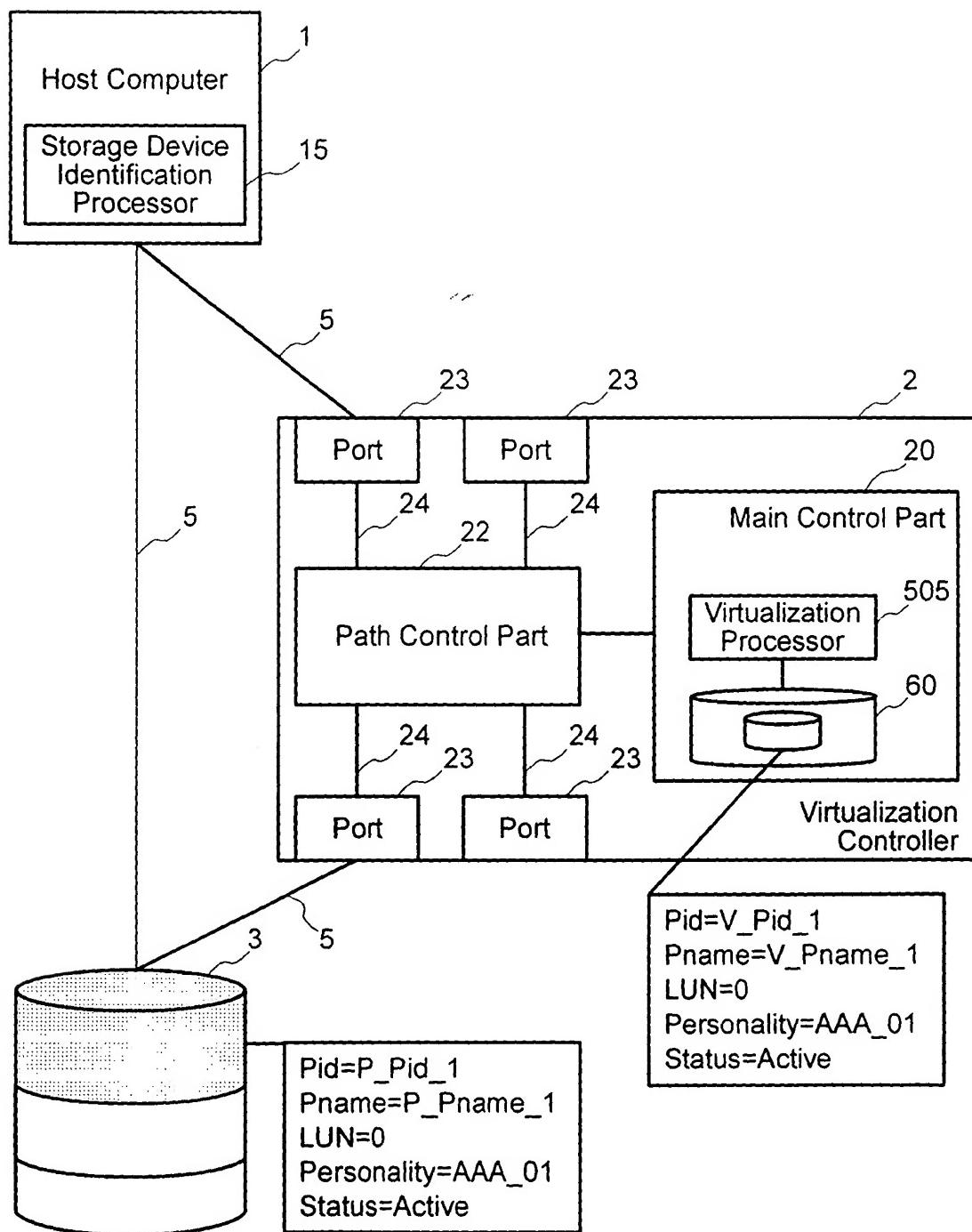


FIG.14

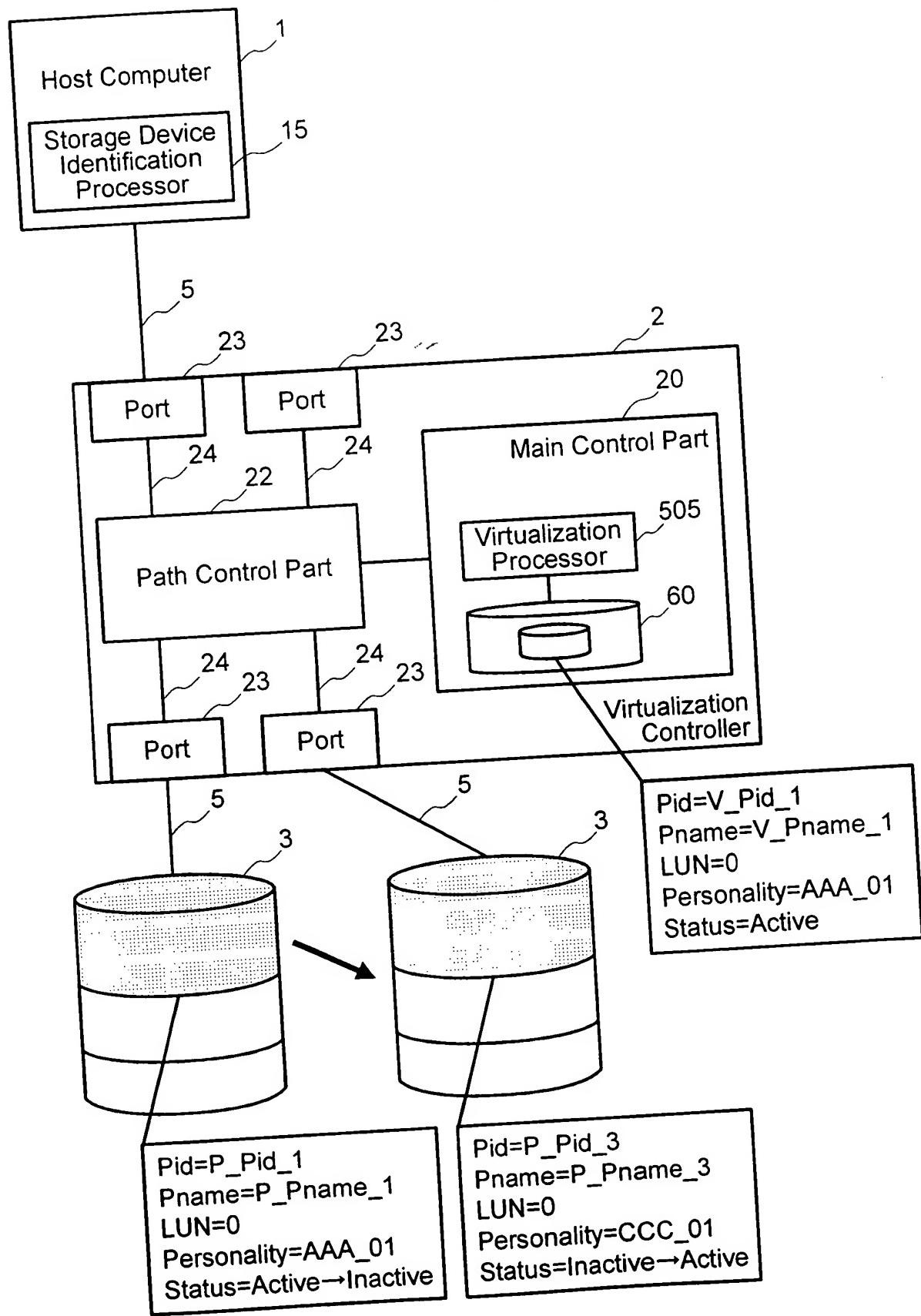


FIG. 15

FIG.16

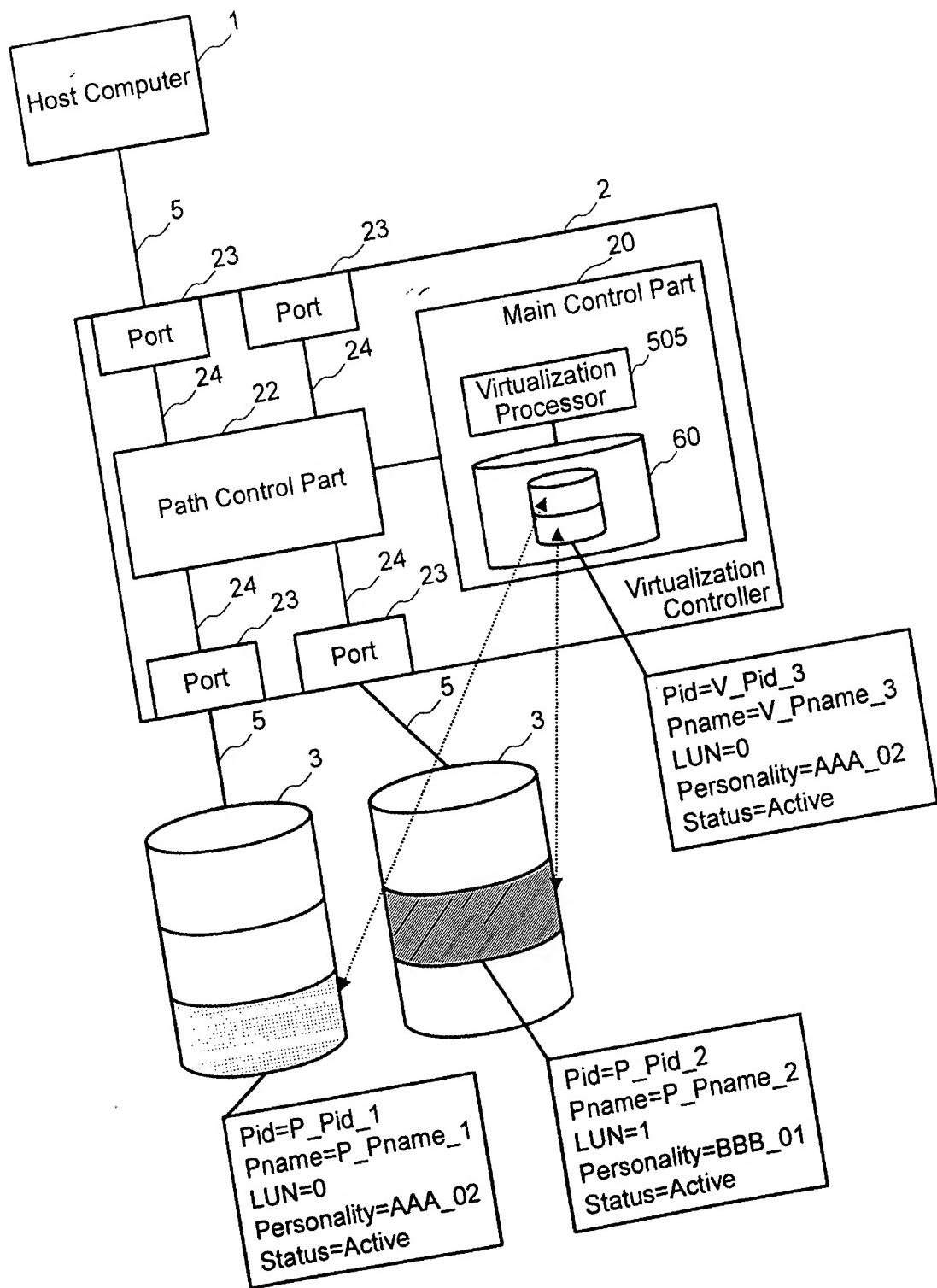


FIG.17

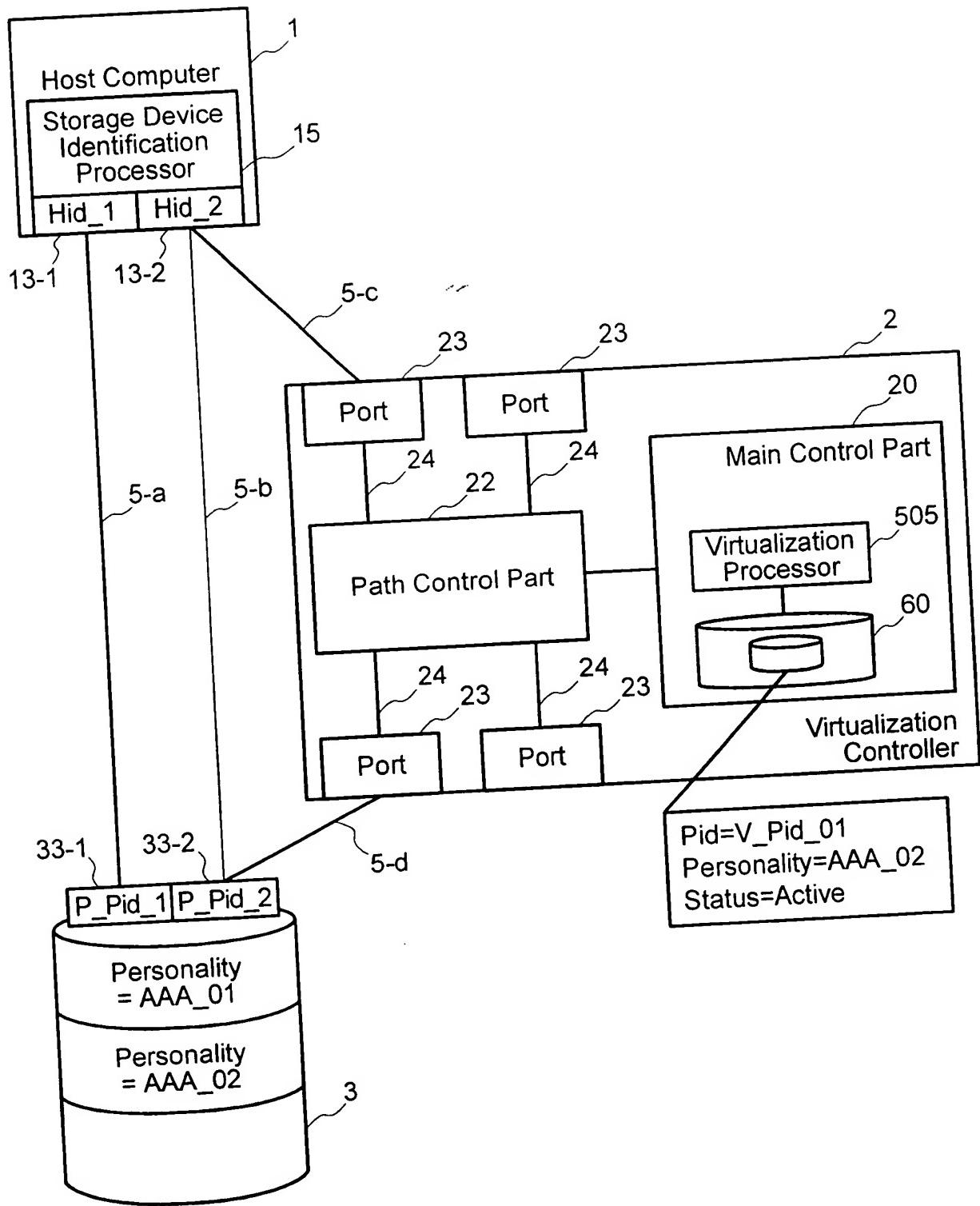


FIG.18

Volume	Personality	Connection (P)	Connection (S)	Status
0	AAA_01	Hid_1 - P_Pid_1	Hid_2 - P_Pid_2	Active
1	AAA_02	Hid_2 - P_Pid_2	Hid_1 - P_Pid_1	Active

FIG.19

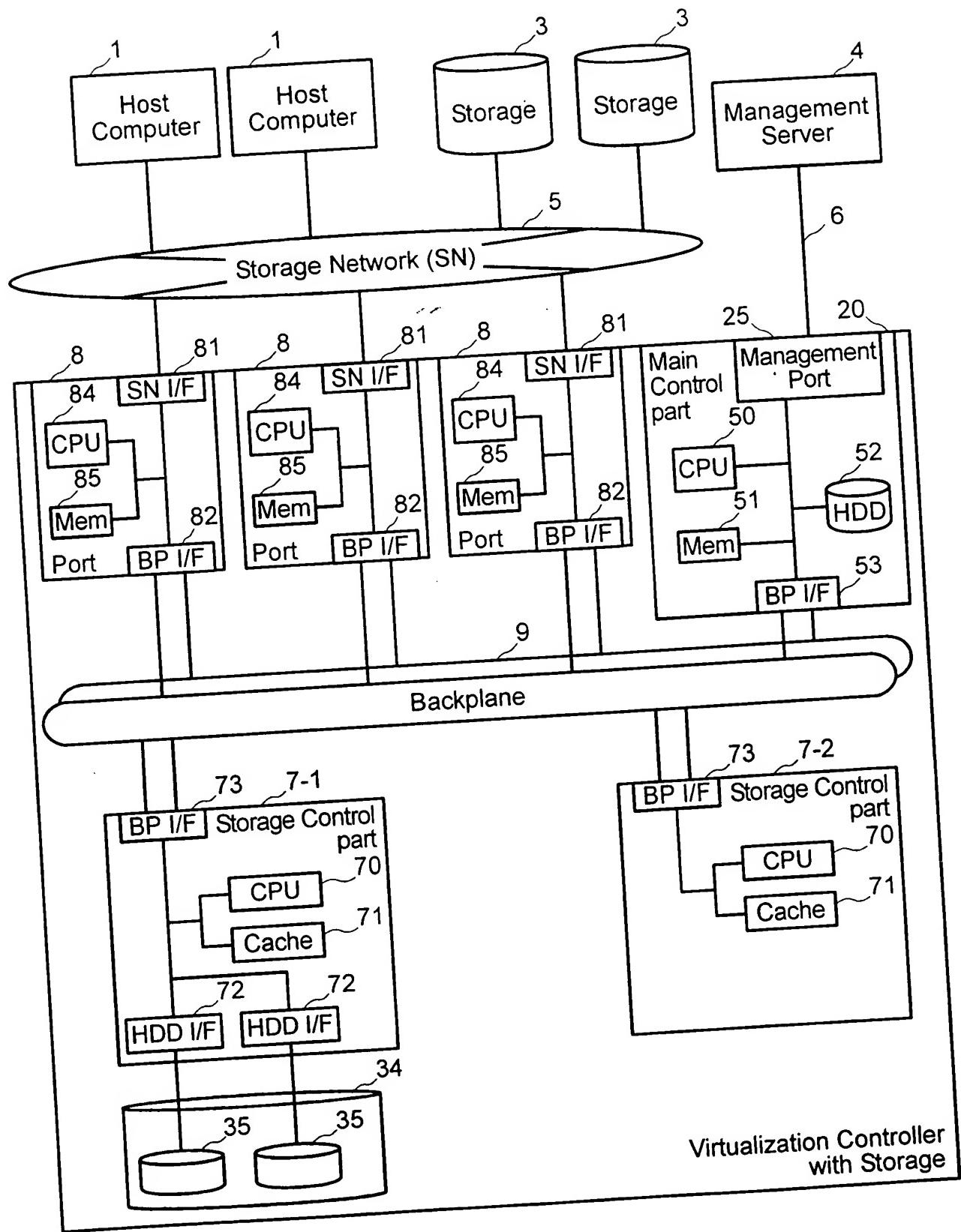


FIG.20

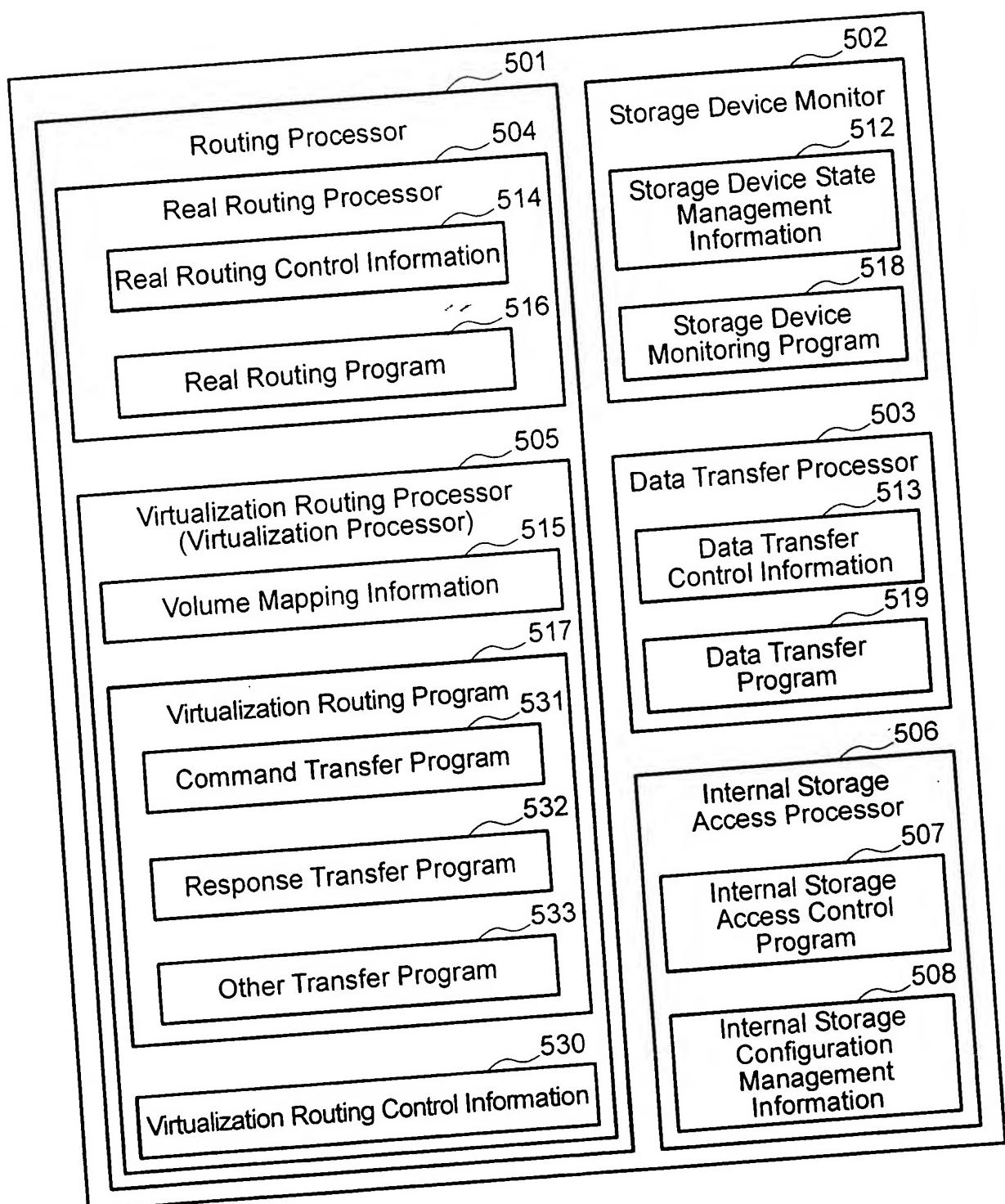


FIG.21

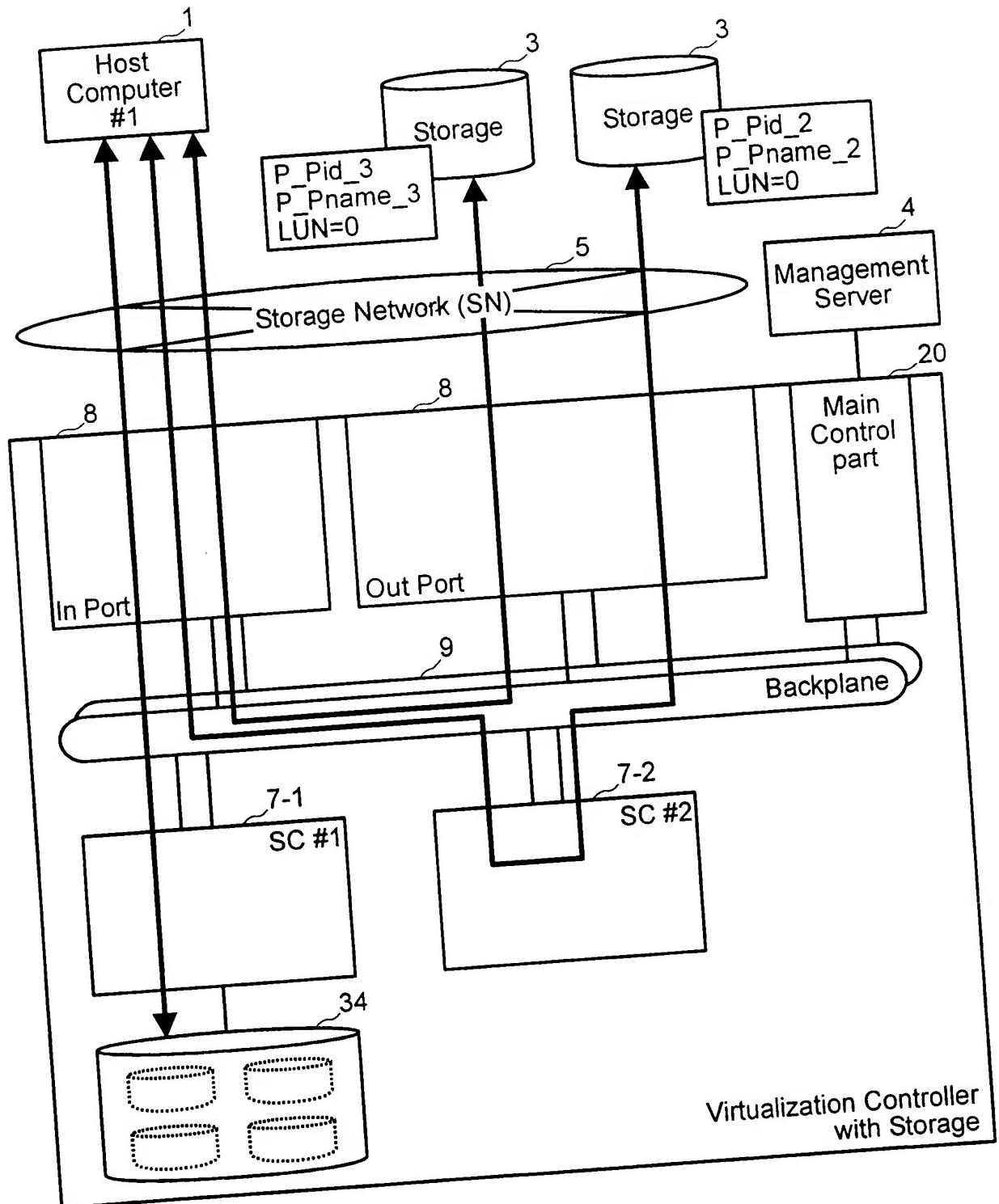


FIG.22

Virtual Volume Management Information				Real Volume Management Information		Virtualization Module Management Information		External Volume Connection Module Management Information	
Port ID	Port Name	LUN	Port ID	Port Name	LUN	-	-	-	-
V_Pid_1	V_Pname_1	0	-	-	-	Storage Control part #1	-	-	-
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Storage Control part #2	-	Out Port	-
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0	Out Port	-	Out Port	-
.

520

521

523

524

FIG.23

Source Management Information				Destination Management Information	
Source Identification	Source Command Identification	Destination Identification	Command Identification	Source Identification	Destination Identification
Host_Pid_1	Host_Tag_1	SC #1	InPort_Tag_1	Host_Pid_1	Host_Tag_2
Host_Pid_1	Host_Tag_2	SC #2	InPort_Tag_2	Host_Pid_1	Host_Tag_3
Host_Pid_1	Host_Tag_3	Out Port	InPort_Tag_3	.	.
.

530

534

535

FIG.24

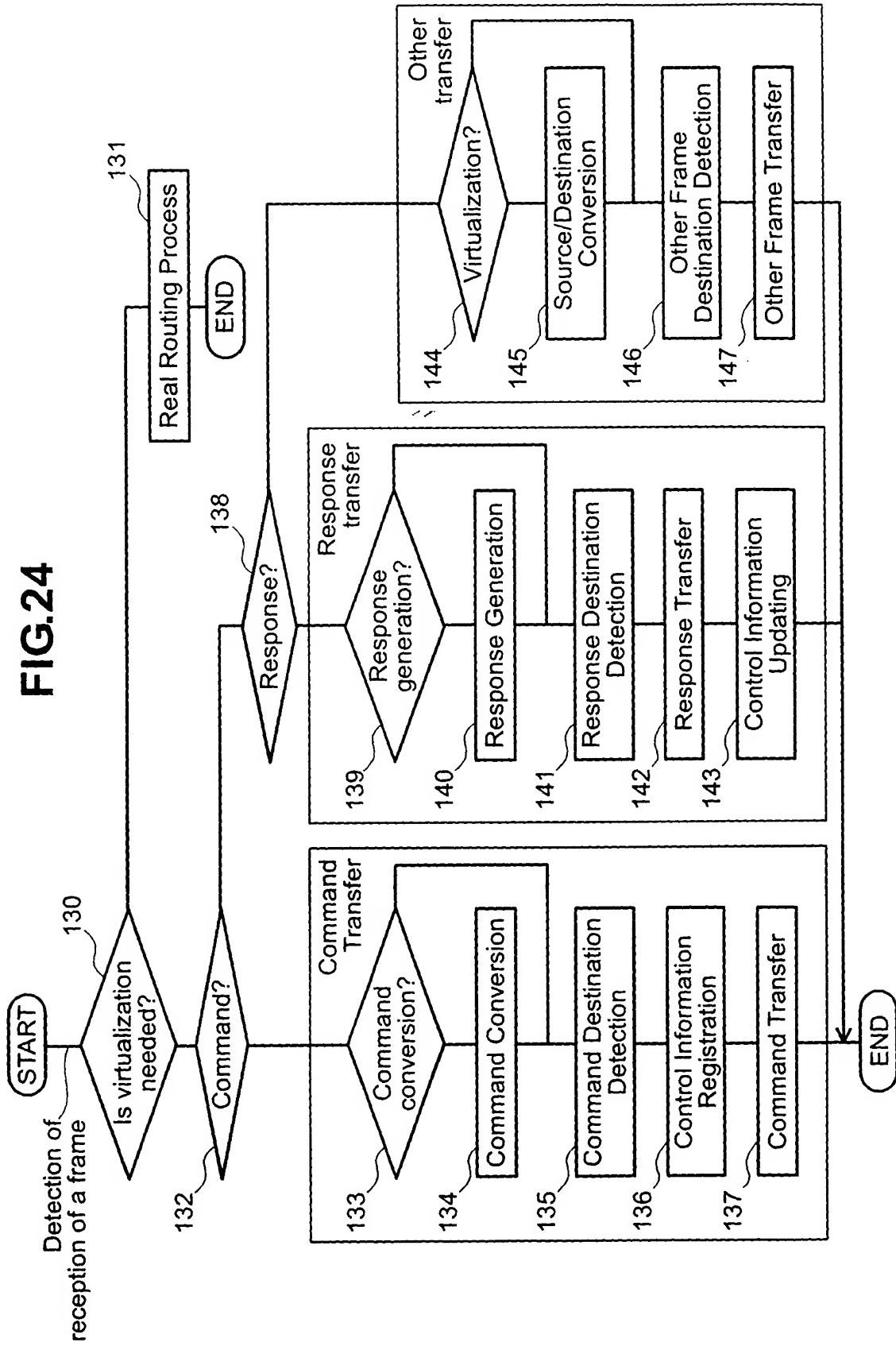


FIG.2.5

FIG. 26

11.3.20						
515	520	521	523	524	525	526
Virtual Volume Management Information	Real Volume Management Information		Virtualization Module Management Information	External Volume Connection	Module Management Information	
Port ID	Port Name	LUN	Port ID	Port Name	LUN	
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	SC #2
.	Out Port

FIG. 27

Virtual Volume Management Information				Real Volume Management Information				Virtualization Module Management Information			
Port ID	Port Name	LUN	Port ID	Port Name	LUN	Port Name	LUN	Port Name	LUN	Port Name	LUN
V_PId_2	V_Pname_2	0	P_Pid_2	P_Pname_2	2	P_Pname_2	0			SC #2	
V_PId_3	V_Pname_3	0	P_Pid_3	P_Pname_3	3	P_Pname_3	0			Out Port	
.

FIG.28

515 ~ 520 ~ 521 ~ 523 ~ 524 ~ 525

Virtual Volume Management Information		Real Volume Management Information			Virtualization Module Management Information	
Port ID	Port Name	LUN	Port ID	Port Name	LUN	Management Information
V_Pid_1	V_Pname_1	0	-	-	-	SC#1
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0	Out Port
.

FIG.29

515 ~ 520 ~ 521 ~ 523 ~ 524 ~ 525

Virtual Volume Management Information		Real Volume Management Information			Virtualization Module Management Information	
Port ID	Port Name	LUN	Port ID	Port Name	LUN	Management Information
.

FIG.30

515 ~ 520 ~ 521 ~ 523 ~ 524 ~ 525

Virtual Volume Management Information		Real Volume Management Information			Virtualization Module Management Information	
Port ID	Port Name	LUN	Port ID	Port Name	LUN	Management Information
V_Pid_2	V_Pname_2	0	P_Pid_3	P_Pname_3	1	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0	Out Port
.